

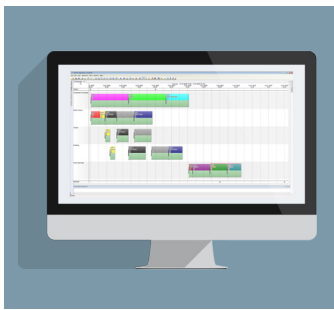


SIEMENS

SIMATIC IT Preactor AS

Advanced Scheduling

siemens.com/preactor

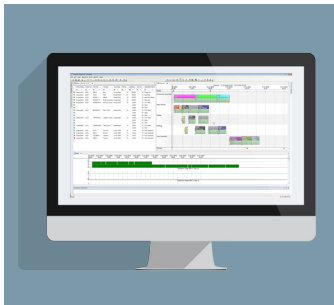


SIMATIC IT Preactor 2015 introduces a whole new scheduling product range, designed to meet the needs of customers at a range of price points.

The SIMATIC IT Preactor Advanced Scheduling range has been redesigned to introduce functionality that was previously only available at the highest level right the way through the range. All products in the Preactor AS range are interactive multi-constraint scheduling systems. This means that the availability of resources, additional constraints, such as tooling, and materials are all taken in to consideration during the scheduling process to ensure an accurate model of your environment. Orders can be scheduled quickly using intelligent built in rules and the planner also has the ability to manually interact with the schedule to make changes based on their experience or new information.



SIMATIC IT Preactor 2015 features a whole new level of in-software customisation, putting the power to change the way the system looks directly in to the user's hands. This includes a new data editor grid that allows custom sorts, filters and grouping to be applied and enables the fields displayed to be selected whilst viewing the data. In addition there is a powerful table and field editor tool which enables changes to the table and field names, re-designing the dialogs and setting the display attributes of the fields.



SIMATIC IT Preactor is designed to be easily integrated with other business system to allow the simple retrieval of any required data, be that works order information from your ERP/MRP system or updates on operation progress from an MES or SFDC system. This is supported by a simple, intuitive data exchange interface and a powerful workflow tool which allows the rapid deployment of integrations. The flexibility of Preactor's integration tools and data setup makes it possible to implement the system entirely stand alone, have it fully populated by data from other business systems or any scenario in-between. If information about product routings and BoMs is held within Preactor then it is possible to use the system for ad-hoc order enquiries allowing the planner to give accurate delivery estimates in an instant.

SIMATIC IT Preactor AS Standard

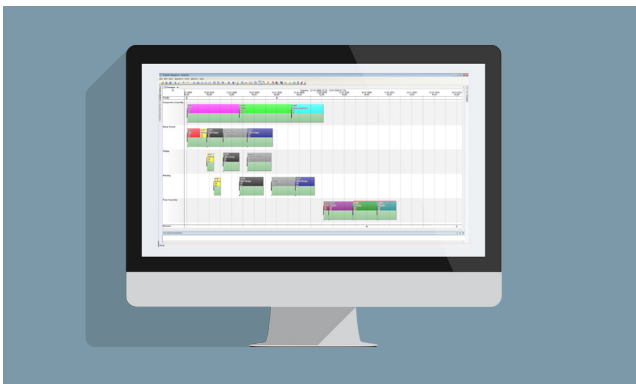
SIMATIC IT Preactor AS Standard has all of the features described above. It uses order based scheduling to which the user can apply a ranking or weighting in order to prioritise the orders. It schedules based on availability of resources, additional constraints and the materials required for the order. During the scheduling process Preactor AS Standard can take in to account different operation run speeds on different resources, use sequence dependent changeover times based on operation attributes and allow overlaps and slack time between operations.

Realize innovation.



SIMATIC IT Preactor AS Professional

SIMATIC IT Preactor AS Professional has a number of additional schedule optimization rules to deal with problems such as minimizing changeover times, preferred sequencing and campaigning. Composite rules can also be built with Preactor's workflow tool. At Preactor AS Professional level the user is also able to implement customer specific rules about how materials are consumed and visualize their assembly process from raw materials through to finished goods and sales orders in the Material Explorer. This shows a graphical view of the material dependencies as well as plots of stock levels over time. The user can see where shortages will occur and choose to keep them as a constraint or ignore them. In addition to this Preactor AS professional can model advanced resource constraints, such as rules about concurrent rule usage, and advanced inter-operation constraints including limits on the time between operations and how much operation times can be extended by.



SIMATIC IT Preactor AS Ultimate

SIMATIC IT Preactor AS Ultimate includes a developer licence (SIMATIC IT Preactor Ultimate Access) which gives access to the full flexibility that is possible with a Preactor system. The database schema can be altered as required, including adding tables and fields, and via the Preactor

programming interfaces it is possible to create custom scheduling rules to solve specific scheduling problems and create custom data manipulation tools for use with the Preactor workflow engine.

As the SIMATIC IT Preactor Ultimate Access licence is a one-off purchase for a company, included in the price of the first Preactor Ultimate level system, this enables a cost effective multi-licencing program for rolling out Preactor systems across multiple sites or scheduling environments.

SIMATIC IT Preactor AS Ultimate Viewers

The SIMATIC IT Preactor AS Ultimate Viewer is a system designed to be linked to a Preactor AS Ultimate schedule. A Preactor AS Viewer system allows interaction with the schedule but the changes cannot be saved. They can be used in the sales office to track the progress of orders and carry out order enquiries against a read only copy of the published schedule. Management can also use them to compare actual times with scheduled completion times to assess the performance of the production process. Viewers can also be used on a shop floor PC to provide the cell supervisor or machine operator with up to the minute work-to-lists generated by the Scheduling system.

Find out more
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